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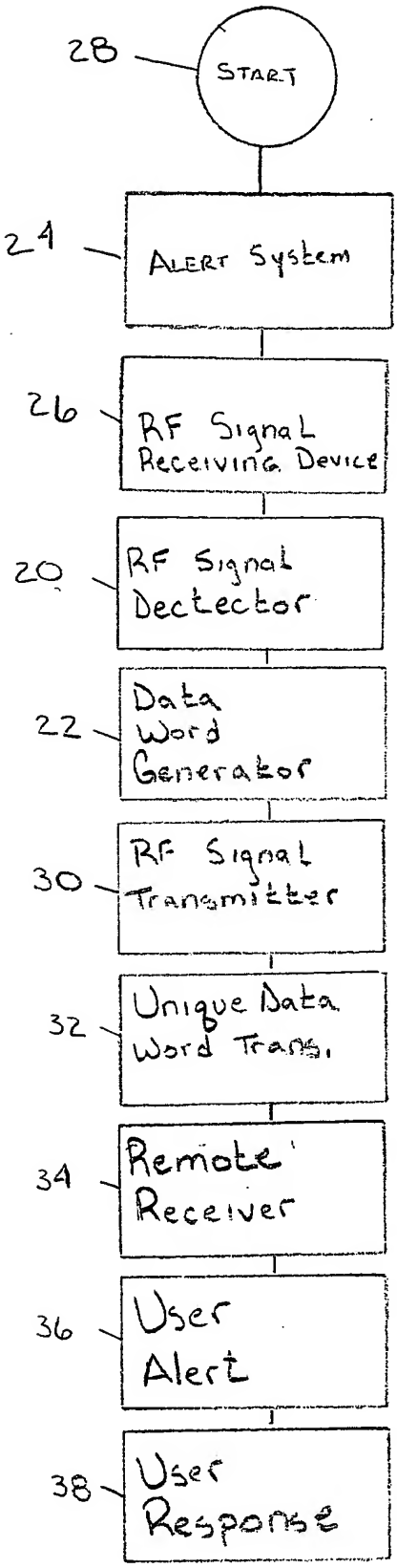
28
START
24
ALERT System
26
RF Signal Receiving Device
20
RF Signal Dectector
22
Data Word Generator
30
RF Signal Transmitter
32
Unique Data Word Trans.
34
Remote Receiver
36
User Alert
38
User Response

Figure 1

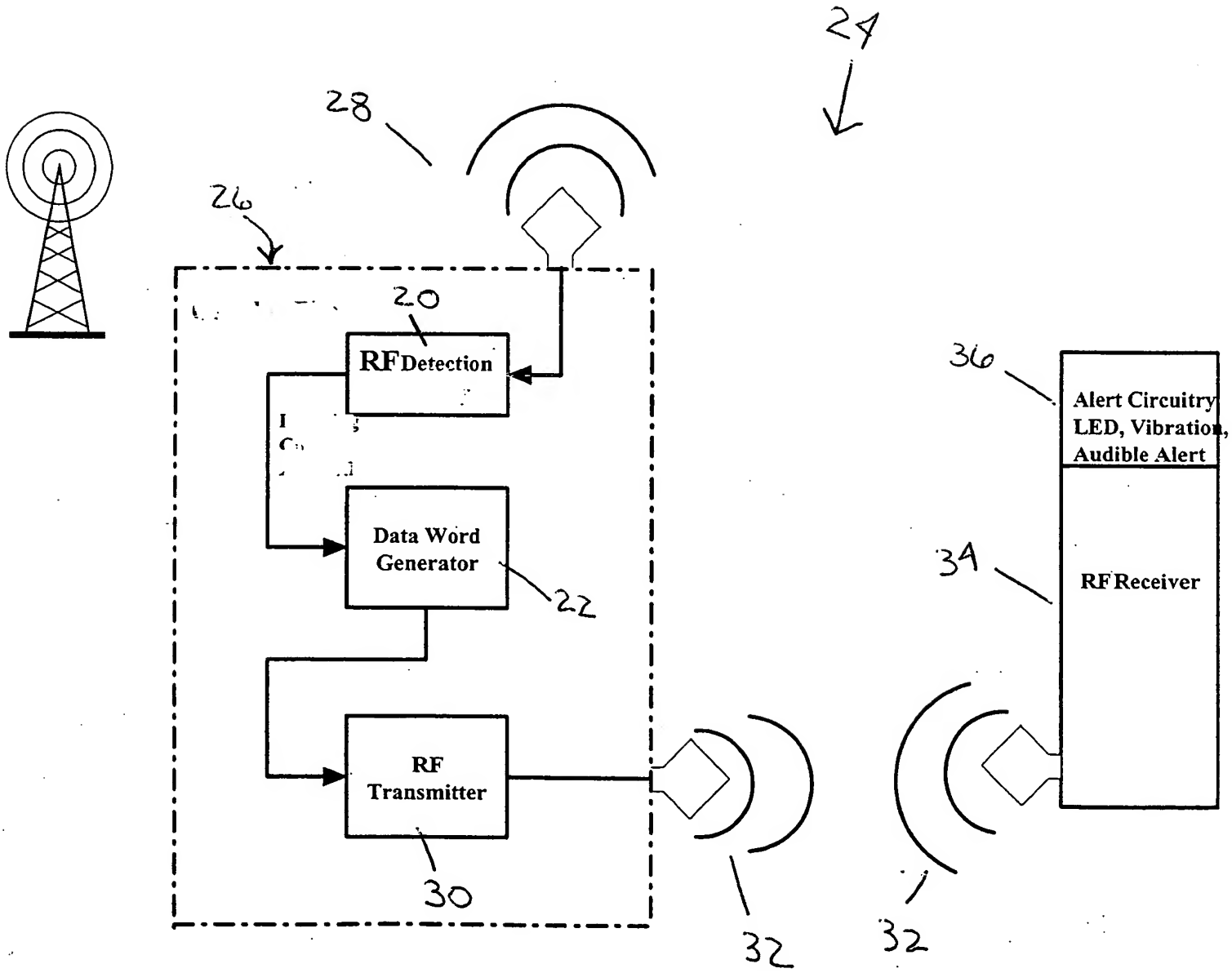
24
28
26
20
RF Detection
Data Word Generator
22
RF Transmitter
30
32
32
36
Alert Circuitry LED, Vibration, Audible Alert
34
RF Receiver

Figure 2

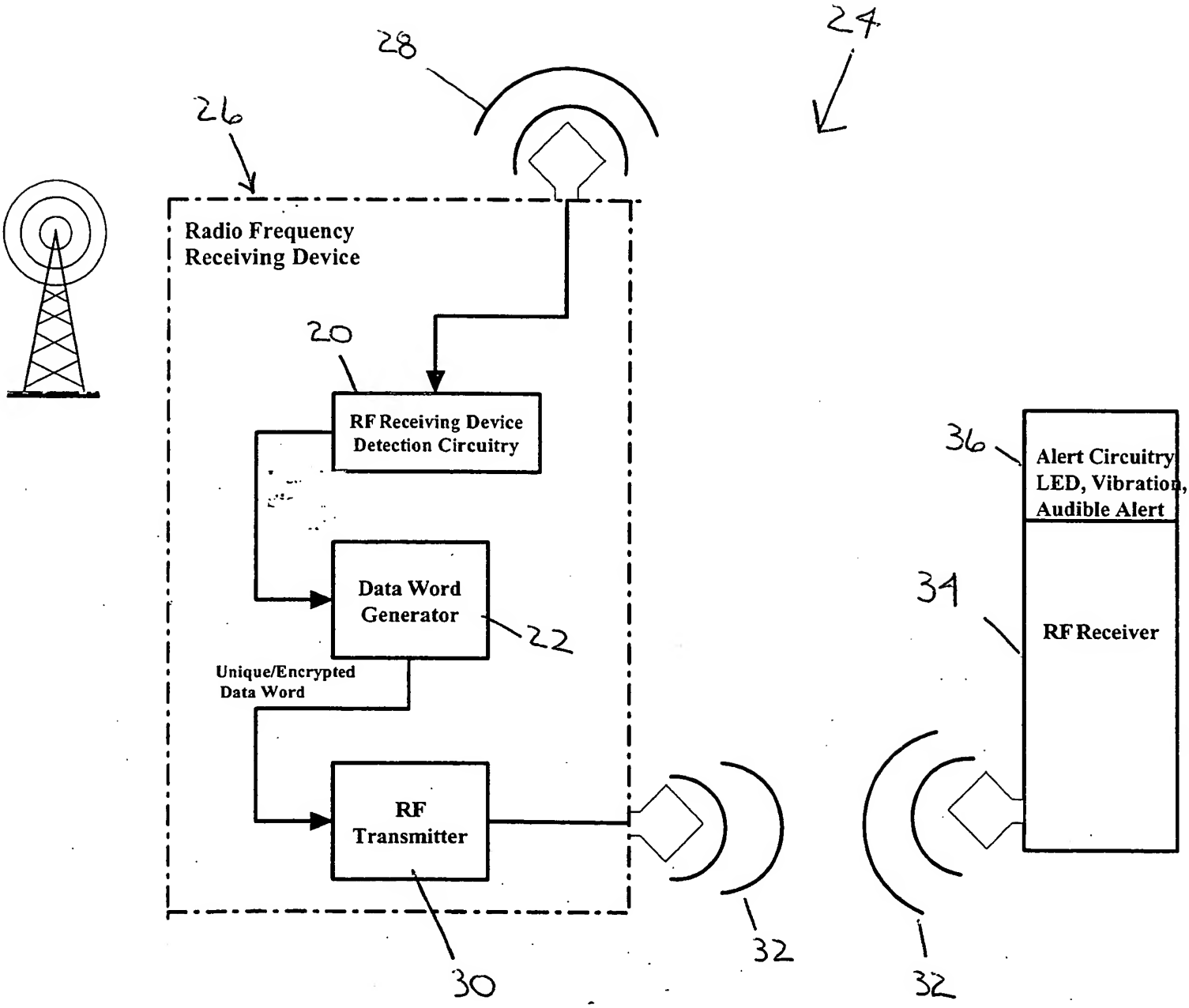
28
24
26
Radio Frequency
Receiving Device
20
RF Receiving Device
Detection Circuitry
Data Word
Generator
22
Unique/Encrypted
Data Word
RF
Transmitter
30
32
36
Alert Circuitry
LED, Vibration,
Audible Alert
31
RF Receiver
32

Figure 3

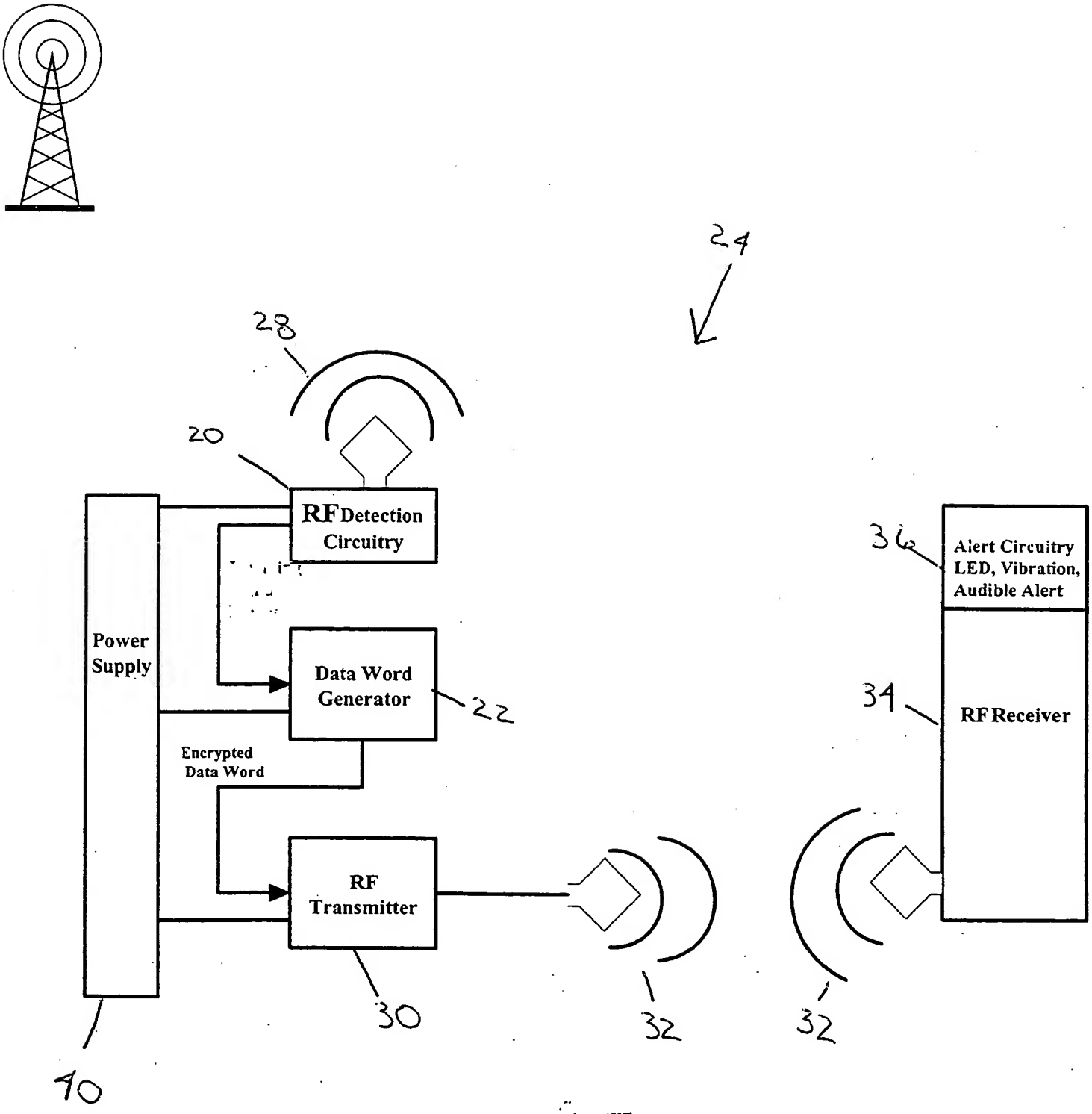
24
28
20
RF Detection Circuitry
Power Supply
Data Word Generator
22
Encrypted Data Word
RF Transmitter
30
40
32
32
36
Alert Circuitry LED, Vibration, Audible Alert
34
RF Receiver

Figure 4

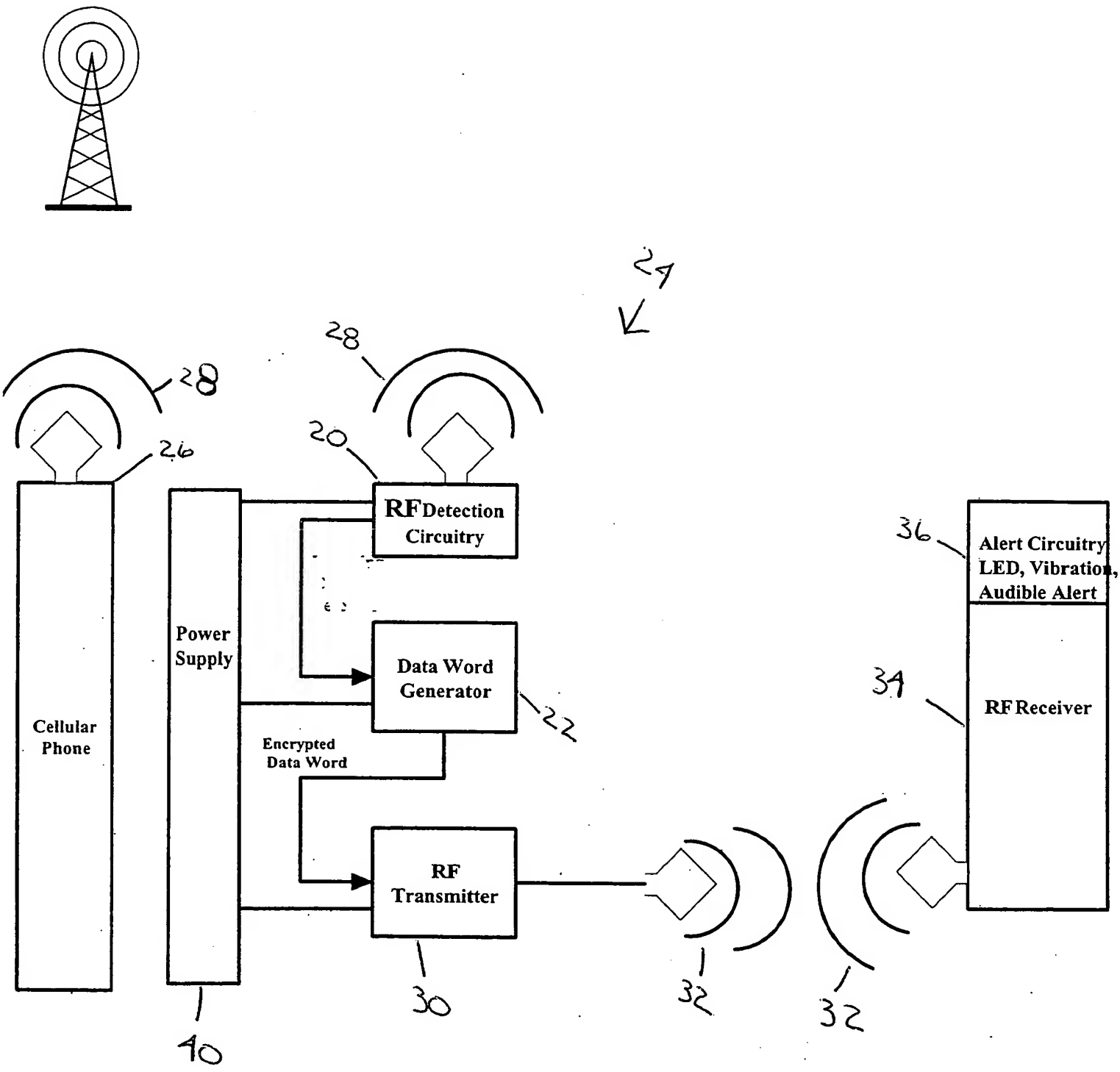
24
28
28
26
20
RF Detection Circuitry
Power Supply
Data Word Generator
22
Encrypted Data Word
Cellular Phone
RF Transmitter
30
40
32
32
36
Alert Circuitry LED, Vibration, Audible Alert
34
RF Receiver

Figure 5

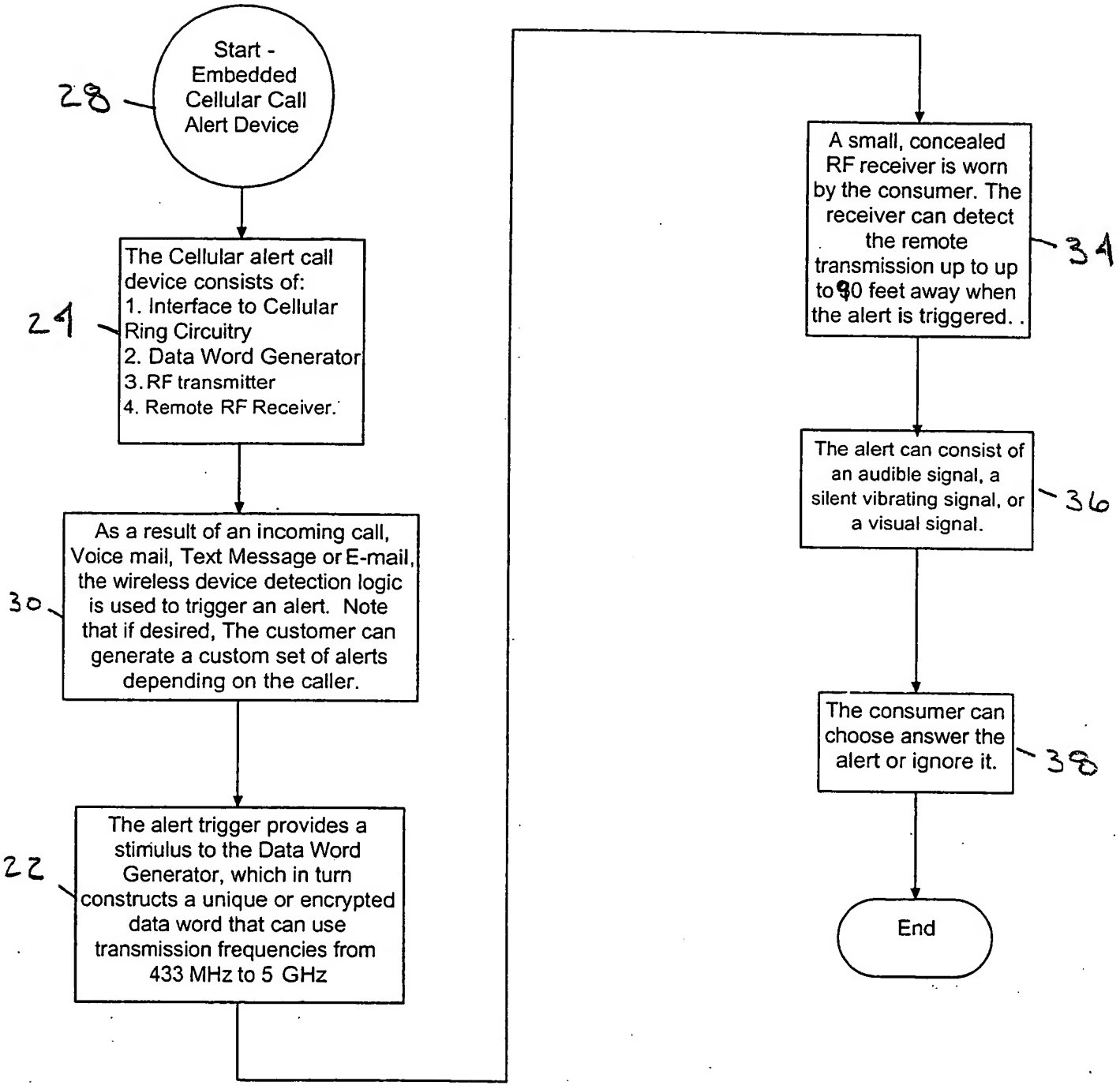
Start - Embedded Cellular Call Alert Device
28
The Cellular alert call device consists of:
1. Interface to Cellular Ring Circuitry
2. Data Word Generator
3. RF transmitter
4. Remote RF Receiver.
24
As a result of an incoming call, Voice mail, Text Message or E-mail, the wireless device detection logic is used to trigger an alert. Note that if desired, The customer can generate a custom set of alerts depending on the caller.
30
The alert trigger provides a stimulus to the Data Word Generator, which in turn constructs a unique or encrypted data word that can use transmission frequencies from 433 MHz to 5 GHz
22
A small, concealed RF receiver is worn by the consumer. The receiver can detect the remote transmission up to up to 90 feet away when the alert is triggered. .
34
The alert can consist of an audible signal, a silent vibrating signal, or a visual signal.
36
The consumer can choose answer the alert or ignore it.
38
End

Figure 6